

Workshop 1: The NARSTO North American PM Assessment

Chair: James Vickery, EPA

Co-Chairs: Marjorie Shepherd, Environment Canada and William Wilson, EPA

Tuesday, April 1, 2003

8:00 AM - 9:30 AM

Oral Session

Location: LeBateau

OR01-01. THIS ORAL SESSION WILL BE COMPOSED OF A PANEL OF 5 NORTH AMERICAN POLICY MAKERS DISCUSSING THEIR "TAKE-HOME" MESSAGES FROM THE NARSTO PM ASSESSMENT: JEFFREY HOLMSTEAD, EPA; BARRY STEMSHORN, EC; ADRIAN FERNANDEZ, INE; LYNN TERRY, CARB; SUSAN WIERMAN, MARAMA; AND PETER MCMURRY, UNIVERSITY OF MINNESOTA.

Poster Session

Location: Grand Ballroom 2-4

P01-01. THE NARSTO NORTH AMERICAN PM ASSESSMENT: CHAPTER 6 - SPATIAL AND TEMPORAL CHARACTERIZATION OF PARTICULATE MATTER.

Charles L Blanchard. *Envair, Albany, CA.*

P01-02. NORTH AMERICAN EMISSIONS INVENTORIES APPLICABLE TO MANAGEMENT OF AIRBORNE PARTICULATE MATTER (PM).

George M. Hidy, Thomas Pace, David Niemi. *Proprietarship, Envair/Aerochem, Placitas, NM; Office of Air Quality Planning and Standards, U. S. Environmental Protection Agency, Research Triangle Park, NC; Environmental Protection Service, Environment Canada, Ottawa, ON, Canada.*

P01-03. RECEPTOR METHODS: A REVIEW FOR NARSTO'S PARTICULATE MATTER ASSESSMENT.

Jeffrey R Brook, John G Watson, Elizabeth Vega. *Air Quality Research Branch, Meteorological Service of Canada, Toronto, ON, Canada; Desert Research Institute, Reno, NV; Instituto Mexicano Del Petroleo, Mexico City, Mexico DF, Mexico.*

P01-04. VISIBILITY EFFECTS DUE TO PM-2.5: IMPLICATIONS FROM THE NARSTO PM ASSESSMENT.

Ivar H Tombach, Karen McDonald. *Consultant, Camarillo, CA; Environmental Health, Concordia University College of Alberta, Edmonton, AB, Canada.*

P01-05. NARSTO PM ASSESSMENT: RECOMMENDED RESEARCH TO INFORM PUBLIC POLICY.

Peter H. McMurry. *Mechanical Engineering, University of Minnesota, Minneapolis, MN.*

P01-06. CONCEPTUAL MODEL FOR PARTICULATE AIR POLLUTION IN LOS ANGELES.

Michael J. Kleeman. *Civil and Environmental Engineering, University of California, Davis, Davis, CA.*

P01-07. CONCEPTUAL DESCRIPTION OF PM OVER MEXICO CITY.

J. Jason West, Sylvia Edgerton, Hilda Martinez Salgado, Elizabeth Vega. *AAAS Environmental Fellow, US EPA, Office of Air & Radiation, Washington, DC; Pacific Northwest National Laboratory, Richland, WA; Urban, Regional, and Global Pollution, National Institute of Ecology (INE), Mexico City, DF, Mexico; Mexican Petroleum Institute (IMP), Mexico, DF, Mexico.*

P01-08. CONCEPTUAL MODEL OF PM IN THE WINDSOR-QUEBEC CITY CORRIDOR.

Jeffrey R. Brook, Michael D. Moran. *Meteorological Service of Canada, Environment Canada, Toronto, ON, Canada.*

P01-09. LINKAGES ACROSS PM POLICY AND RESEARCH: EXAMINING THE POLICY RELEVANT FINDINGS FROM THE PM_{2.5} SUPERSITES PROGRAM.

Richard D. Scheffe, Paul Solomon, John D. Bachmann. *Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, RTP, NC; Office of Research and Development, U.S. Environmental Protection Agency, Las Vegas, NV; Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, RTP, NC.*

P01-10. OVERVIEW OF THE SAINT LOUIS - MIDWEST SUPERSITE.

Jay R Turner, George Allen, Tina Bahadori, Judith C Chow, D Alan Hansen, Petros Koutrakis, Peter H McMurry, John M Ondov, James J Schauer, John G Watson Rodney J Weber, Warren H White. *Environmental Engineering Program, Washington University, Saint Louis, MO; Northeast States for Coordinated Air Use Management, Boston, MA; Long-Range Research Initiative, American Chemistry Council, Arlington, VA; Division of Atmospheric Sciences, Desert Research Institute, Reno, NV; EPRI, Palo Alto, CA; School of Public Health, Harvard University, Boston, MA; Mechanical Engineering Department, University of Minnesota, Minneapolis, MN; Chemistry Department, University of Maryland, College Park, MD; Civil and Environmental Engineering Department, University of Wisconsin, Madison, WI; School of Earth & Atmospheric Sciences, Georgia Institute of Technology, Atlanta, GA; Crocker Nuclear Laboratory, University of California at Davis, Davis, CA.*

P01-11. A SPATIO-TEMPORAL AEROSOL CLIMATOLOGIC CONTEXT FOR THE SAINT LOUIS-MIDWEST SUPERSITE.

Scott A Duthie, Stefan R Falke, Rudolf B Husar, Warren H White, Jay R Turner. *Environmental Engineering Program, Washington University, Saint Louis, MO; Center for Air Pollution Impact and Trend Analysis, Washington University, Saint Louis, MO; Crocker Nuclear Laboratory, University of California at Davis, Davis, CA.*

P01-12. DIURNAL CYCLES AND SPORADIC EVENTS IN THE SAINT LOUIS AEROSOL.

Warren H White, Min-Suk Bae, Petros Koutrakis, Peter H McMurry, James J Schauer, Jay R Turner. *Crocker Nuclear Laboratory, University of California at Davis, Davis, CA; Civil and Environmental Engineering, University of Wisconsin, Madison, WI; School of Public Health, Harvard University, Boston, MA; Mechanical Engineering Department, University of Minnesota, Minneapolis, MN; Environmental Engineering Program, Washington University, Saint Louis, MO.*

P01-13. SOUTHEASTERN AEROSOL RESEARCH AND CHARACTERIZATION (SEARCH) STUDY: KEY FINDINGS FOR POLICY MAKERS.

John J Jansen, Eric S Edgerton, Krishnan Kandasamy. *Research & Environmental Affairs, Southern Company, Birmingham, AL; Atmospheric Research & Analysis, Inc., Cary, NC.*

P01-14. THE STATISTICAL ANALYSIS OF PM 2.5 IN ATLANTA: AN APPLICATION TO THE CONTROL STRATEGY.

Sun-Kyoung Park, Armistead G Russell. *Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA.*

P01-15. SOUTH BRONX ENVIRONMENTAL STUDIES PROJECT: COMPARISON OF GROUND-LEVEL AIR QUALITY DATA WITH NEW YORK STATE DEPARTMENT OF CONSERVATION MONITORING STATIONS DATA.

Carlos E Restrepo. *Wagner Graduate School of Public Service, New York University, New York, NY.*

P01-16. DEVELOPMENT OF A DATABASE AND ANALYTICAL TOOLS FOR THE MANAGEMENT OF DATA DERIVED FROM U S-DOE (NETL)-FUNDED FINE PARTICULATE (PM_{2.5}) RESEARCH.

Robinson P. Khosah, Charles G. Crawford, Kevin Crist, Sudhin Devarachetty, Kuruvilla John. *Science & Technology, Advanced Technology Systems, Inc., Pittsburgh, PA; School of Health Sciences, Ohio University, Athens, OH; Department of Environmental Engineering, Texas A&M University -Kingsville, Kingsville, TX.*

P01-17. ADVANCED FACTOR ANALYSIS OF SPATIAL DISTRIBUTIONS OF PM_{2.5} IN THE EASTERN UNITED STATES.

Philip K Hopke, Pentti Paatero, Shelly Eberly, William Cox. *Chemical Engineering, Clarkson University, Potsdam, NY; Physical Sciences, University of Helsinki, Helsinki, Finland; U.S. Environmental Protection Agency, Research Triangle Park, NC.*

P01-18. AEROSOL CHEMICAL COMPOSITION UPDATE: CAN WE ACHIEVE THE ANNUAL PM_{2.5} NAAQS BY CONTROLLING ORGANIC CARBON?

Roger L Tanner, William J Parkhurst. *Air, Land and Water Sciences, Tennessee Valley Authority, Muscle Shoals, AL.*

P01-19. AMMONIA ABATEMENT AND SECONDARY PM REDUCTIONS.

Jan Willem Erisman. *Clean Fossil Fuels, Energy Research Centre of the Netherlands, ECN, Petten, Netherlands.*

P01-20. URBAN AIR QUALITY MODELING IN THE NETHERLANDS AND THE IMPACT OF (EUROPEAN) ABATEMENT PROTOCOLS.

Leendert Van Bree, Salah Mogith, Karel Van Velze, Jeannette Beck. *Office for Environmental Assessment, RIVM, Bilthoven, Netherlands.*

P01-21. REDUCED FORM MODEL TO ESTIMATE AIR POLLUTION IMPACTS.

Luis Cifuentes, Hector Jorquera, Fabian Gaioli, Nelson Gouveia, Devra Davis. *School of Engineering, P. Universidad Catolica de Chile, Santiago, Chile; Secretaría de Ambiente y Desarrollo Sustentable, Ministerio de Desarrollo Social, Buenos Aires, Argentina; Faculdade de Medicina, Universidade de Sao Paulo., Sao Paulo, Brazil; The H. John Heinz III School of Public Policy and Management, Carnegie Mellon University, Pittsburgh, PA.*